

## **ABSTRACT**

A pressure sensor includes a plurality of sensor parts arranged in a matrix. A first electrode connected with first wiring and a second electrode connected with second wiring are disposed oppositely through a cavity in the sensor part. The second electrode bends to the first electrode side in response to a pressure from a specimen and touches the first electrode upon application of a pressure of a specified level or above. When a scanning signal is fed from a scanning circuit to the first wiring and presence of a signal flowing through the second wiring is detected by a sensing circuit, a pressure being applied to each sensor part can be detected. Furthermore, the shape of the specimen is detected by feeding the scanning signal from the scanning circuit to each first wiring sequentially and scanning the pressure detecting region generally.